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Application / C nf. No.	10/075,178 / 7288			
Filing Dat	February 14, 2002			
First Named Invent r	Andy H. Gan			
Art Unit	2825	_		
Examiner Name	Binh C. Tat			
Attorney Docket Number	X-1068 US			

		Document Number		DOCUMENTS	
xaminer	Cite No.1	Number - Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
		US- 4,758,985	07-19-88	Carter	Figures Appear
		US- 5,142,625	08-25-92	Nakai	**************************************
		US- 4,855,669	08-08-89	Mahoney	
		US- 34,363	08-31-93	Freeman	
		US- 5,072,418	12-10-91	Boutaud et al.	
		US- 6,467,009	10-15-02	Winegarden et al.	
		US- 5,550,782	08-27-96	Cliff et al.	
		US- 5,347,181	09-13-94	Ashby ct al.	
		US- 5,339,262	08-16-94	Rostoker et al.	
		US- 5,311,114	05-10-94	Sambamurthy et al.	
		US- 5,504,738	04-02-96	Sambamurthy et al.	
		US- 5,552,722	09-03-96	Kean	
		US- 5,914,616	06-22-99	Young et al.	
		US- 6,578,174	06-10-03	Zizzo	
		US- 5,457,410	10-10-95	Ting	
		US- 5,740,404	04-14-98	Baji	
		US- 5,581,745	12-03-96	Muraoka	
		US- 5,742,179	04-21-98	Sasaki	1
		US- 5,600,845	02-04-97	Gilson	
		US- 5,574,930	11-12-96	Halverson Jr., et al.	

		FORE	IGN PATENT DO	CUMENTS		
Examiner	Cite	Foreign Patent Document	Publication Date	Name of Patentse or	Pages, Columns, Lines, Where Relevant Passages	T
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		EP 0315275 A2	10-05-89	LSI Logic	Figures Access	+-
		WO 93 25968 A1	12-23-93	Furtek		+
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Applicati n / Conf. No. 10/075,178 7288 Filing Date February 14, 2002 **First Named Inventor** Andy H. Gan Art Unit 2825 **Examiner Name** Binh C. Tat

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Examiner Initials	No.1	Number - Kind Code (if known)	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,473,267	12-05-95	Stansfield	THE MES ALBERT
		US- 5,742,180	04-21-98	DeHon et al.	
		US- 5,737,631	04-07-98	Trimberger	
		US- 5,748,979	05-05-98	Trimberger	
		U\$- 6,483,342	11-19-02	Britton et al.	
		US- 6,026,481	02-15-00	New et al.	***************************************
		US- 5,705,938	01-06-98	Kean	**************************************
		US- 5,500,943	03-19-96	Ho et al.	
		US- 10/043,769	01-09-02	Schulz	
		US- 5,809,517	09-15-98	Shimura	
		US- 5,543,640	08-06-96	Sutherland et al.	
		US- 5,574,942	11-12-96	Colwell et al.	
		U\$- 10/001,871	11-19-01	Douglass et al.	
•	•	US- 5,933,023	08-03-99	Young	
		US- 09/991,412	11-16-01	Herron et al.	
Î		US- 6,389,558	05-14-02	Herrmann et al.	
		US- 5,732,250	03-24-98	Bates et al.	
		US- 5,889,788	03-30-99	Pressly et al.	
		US- 5,874,834	02-23-99	New	**************************************
		US- 5,835,405	11-10-98	I sui et al.	

		FORE	GN PATENT DOC	UMENTS	\$	
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		XILINX, INC., "THE PROGRAMMABLE LOGIC DATA BOOK," 2000, Ch 3, pp 3-7 TO 3-17; 3-76 TO 3-87, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.			
		INTERNATIONAL BUSINESS MACHINES, "PROCESSOR LOCAL BUS" Architecture Specifications, 32-Bit Implementation, April 2000, First Edition, V2.9, pp. 1-76, IBM Corporation, Department H83A, P.O. Box 12195, Research Triangle Park, NC 27709			
·	·	XILINX, INC., "VIRTEX II PLATFORM FPGA HANDBOOK, December 6, 2000, v1.1, pp 33-75, Xilinx, Inc., 2100 Logic Drive, San Jose, CA. 95124.			
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		US- 6,434,735	08-13-02	Watkins	
	-	US- 6,588,006	07-01-03	Watkins	
		US- 6,539,508	03-25-03	Patrie et al.	
		US- 6,587,995	07-01-03	Duboc et al.	
		US- 6,242,945	06-05-01	New	
		US- 6,460,172	10-01-02	Insenser Farre et al.	
		US- 6,353,331	03-05-02	Shimanek	
		US- 6,507,942	01-14-03	Calderone et al.	
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		US- 6,522,167	02-18-03	Allegrucci et al. Ansari et al.	
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